

UNOFFICIAL COMMUNICATION FOR EXAMINER REVIEW ONLY – PLEASE DO NOT ENTER

To Examiner Ehichioya:

Here is a copy of proposed items of discussion with regard to the subject application for our scheduled phone conference on January 2, 2009, at 4:00 p.m.

There is at least one issue that I would like to get your input on with regard to the rejections under section 103:

(1) With regard to the section 103 rejection of independent claims 1, 13, and 31, discussion of proposed amendments to those claims to further emphasize certain distinctive features of the claimed subject matter. (*See below* proposed amended claims 1, 13, and 31.)

If you have any other suggestions or ideas, I would be glad to discuss them as well. I look forward to speaking with you. Thank you again for your time and consideration.

Regards,
Francis

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DRAFT - PROPOSED CLAIMS

1. (Currently amended) A computer-implemented database system comprising:
 - a computer-implemented database engine further comprising:
 - a computer-implemented page aggregator component that operates across concurrent database transactions to obtain information on aggregate size change that occurs on a database data page, wherein a number of copies of the database data page is copied are created and data associated with the database data page is modified by the concurrent database transactions performed on respective copies of the database data page resulting in the aggregate size change to the database data page, transaction(s) that requires modification thereof; the concurrent database transactions perform sub-page level operations on [[a]] the respective copies of the database data page;
 - a computer-implemented heap allocation component that employs the information on aggregate size change to determine [[an]] availability of space for the database data page; and
 - a computer-implemented lock manager that enables sub-page sub-page level locking across the concurrent database transactions.
13. (Currently amended) A computer-implemented method that facilitates synchronization in concurrent database transactions comprising:
 - creating a number of copies of a database data page corresponding to a number of the concurrent database transactions to facilitate modifying the database data page;
 - performing the concurrent database transactions on a sub-page level on the respective copies of the database data page to modify the respective copies of the database data page to facilitate modifying the database data page;
 - obtaining information on an aggregate size change that [[occur]] occurs on [[a]] the database data page as a result of the concurrent database transactions operating performed on the respective copies of the database data page; and
 - tracking [[a]] space availability for the database data page over all the concurrent database transactions.

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31. (Currently amended) A method for manipulating database data in a database data page by a database transaction comprising:

copying a database data page to a reserved space for [[the]] each database transaction of a plurality of concurrent database transactions;

performing the concurrent database transactions on a sub-page level on respective copies of the database data page to facilitate modifying the respective copies of the database data page;

retrieving information related to size change of respective copies of the database data page, based at least in part on the modification of the respective copies of the database data page, to facilitate determining an aggregate size change for the database data page; and

determining [[an]] the aggregate size change for the database data page.